

ABSTRACT OF THE DISCLOSURE

The electronic surface mount package according to the present invention includes a one piece construction package having end walls, a side wall and an open bottom; a plurality of toroid transformers carried within the package by a soft silicone material wherein the toroid transformers each have wires wrapped thereon; a plurality of terminal pins molded within and extending from the bottom of the package wherein each of the pins extend through a bottom portion of the side wall and have a notched post upon which the wires from said transformers are wrapped and soldered thereon, respectively; and wherein the end walls have a first height H1 to form a standoff or safe guard between the foot seating plane of the package and the terminal pins; and wherein the outer portion of the side wall extends between the end walls such that the side wall has a second height H2 which is less than said first height H1. The extended side retaining wall provides for improved containment of the soft silicone material within the package. The extended side retaining wall also provides for improved coverage of the wire wrapped solder posts. In addition, since the height H2 of the extended side retaining wall is less than the height H1 of the safe guard, the mounting of the package onto a printed circuit board with the extended side retaining wall allows for cleaning of the PCB with wash liquids which can flow freely under the package under the portion of the extended side wall which is less in height than the height of the safeguard ($H1 < H2$).